

WATER SOLUBLE THERMOSETTING POLYESTER RESIN COMPOSITION AND
METHOD OF PREPARING THE SAME

ABSTRACT OF THE DISCLOSURE

5

A water soluble thermosetting polyester resin composition for undercoating a
PCM steel sheet is prepared from about 100 parts by weight of thermosetting
polyester resin obtained by condensing polyethylene terephthalate using glycol and
polybasic acid, about 5-20 parts by weight of anhydrous polybasic acid and amine. A
10 paint composition prepared using thus prepared resin composition is applicable for
undercoating PCM steel sheet for both of home appliances and construction
materials. In addition, an organic solvent included in the conventional oily paint
composition can be excluded to minimize an environmental contamination, a
dangerous factor of initiating fire and a bodily harm on human. Further, a paint
15 composition having advantageous processibility, chemical resistance, solvent
resistance, adhesion and scratch resistance may be prepared.